## U.S. GEOLOGICAL SURVEY-BRANCH OF ATLANTIC MARINE GEOLOGY CRUISE REPORT

1. SHIP NAME (Parent vessel)/SUBMERSIBLE/OWNER-OPERATOR:

Mantova; Owned by Navgarda (Italian Passenger Ferry)

2. CRUISE # AND LEG:

**GARDD-1-94** 

3. PROJECT # AND NAME:

9470-69634 Lake Garda, Italy

4. FUNDING AGENCY:

Consorzio per l'innovazione del sistemi informativi geografici (CISIG)

- 5. CONTRACT (If applicable):
- 6. AREA OF OPERATIONS:

Lake Garda, northern Italy

7. DATES AND PORTS OF CALL:

JD 292-JD 302 (day trips out of Peschiera)

8. CHIEF SCIENTIST(S):

William C. Schwab

9. SCIENTIFIC PARTY (Names, affiliations, cruise duties):

T.F. O'Brien (USGS) - Electonic Technician W.C. Schwab (USGS) - Chief Scientist

W.W. Danforth (USGS) - Data Acquisition B. Irwin (USGS) - Navigator D.C. Twichell (USGS) - Data Processing

10. SHIP'S CAPTAIN (and affiliation):

Captains changed daily.

11. PURPOSE OF CRUISE (brief statement)

Create high-resolution sidescan-sonar image of Lake floor as part of cooperative with CISIG.

12. NAVIGATION TECHNIQUES:

Differential GPS.

13. SCIENTIFIC EQUIPMENT:

Datasonics SIS-1000 Sea-Floor Mapping System

14. TABULATED INFORMATION:

DAYS AT SEA: 11

CONTINUOUS DATA (in km): Approx 680 km

STATIONS OCCUPIED (stationary and underway): 0

SUBMERSIBLE DIVES (BY #): 0

STATION INFORMATION:

Station number:

Date of occupation:

Latitude/Longitude:

Water depth:

Sampling device (dive #):

Number and type of samples:

Remarks:

15. PAGE-SIZE TRACKCHART (including station & line #'s)

Producing this at a page-size scale would be worthless. These imagery will be produced as USGS MF Map Series.